



Environmental and Public Protection Cabinet
Office of Housing, Buildings and Construction
Hazardous Materials Section
101 Sea Hero Road, Suite 100
Frankfort, Kentucky 40601-5405
Telephone: (502) 573-1702 Fax: (502) 573-1695

**PERMIT APPLICATION FOR INTERIOR LINING OF STEEL
UNDGROUND STORAGE TANKS (UGST) FOR PETROLEUM PRODUCTS**

For Office Use Only

Permit No.: _____
Amount Paid: _____

Approved By: _____
Date Approved: _____

Installation Site

Owner of Tanks

NAME OF BUSINESS/COMPANY (D/B/A)

OWNER/OPERATOR/COMPANY NAME

STREET ADDRESS

STREET ADDRESS

CITY

STATE

ZIP CODE

CITY

STATE

ZIP CODE

()

TELEPHONE NUMBER

COUNTY

()

TELEPHONE NUMBER

COUNTY

UST SITE I.D. NUMBER (EXISTING SITES ONLY)

Interior Lining Contractor

Certified Individual

COMPANY NAME

NAME OF CONTRACTOR

STREET ADDRESS

TELEPHONE NUMBER

CITY

STATE

ZIP CODE

INDIVIDUAL'S CERTIFICATION NUMBER

EXPIRATION DATE

()

TELEPHONE NUMBER



Type of Facility

☐ Commercial ☐ Private Use ☐ Government ☐ Industrial ☐ Bulk Plant

☐ Other (Please Specify): _____

1. Tank Information –

TANK TYPE CODES

01 Sti-P3
02 Double Wall Steel
03 Double Wall, FRP Over Steel
04 Double Wall Steel, Fiberglass Clad
Other (Please Specify):

05 Single Wall Steel, Fiberglass Clad
06 Jacketed

NOTE: Tank numbers shall correspond with the tank numbers on the accompanying site plan.

TANK #1:

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CAPACITY (GALLONS)

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TANK TYPE CODE

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APPROXIMATE AGE OF TANKS

[illegible]

PRODUCT STORED

☐ Tank to be lined ☐ Tank Previously lined Reason for Lining: ☐ Upgrade ☐ Leak Repair

TANK #2:

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CAPACITY (GALLONS)

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TANK TYPE CODE

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APPROXIMATE AGE OF TANKS

[illegible]

PRODUCT STORED

☐ Tank to be lined ☐ Tank Previously lined Reason for Lining: ☐ Upgrade ☐ Leak Repair

TANK #3:

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CAPACITY (GALLONS)

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TANK TYPE CODE

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APPROXIMATE AGE OF TANKS

[illegible]

PRODUCT STORED

☐ Tank to be lined ☐ Tank Previously lined Reason for Lining: ☐ Upgrade ☐ Leak Repair

1. Tank Information (Continued)

TANK #4:

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CAPACITY (GALLONS)

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TANK TYPE CODE

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APPROXIMATE AGE OF TANKS

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PRODUCT STORED

☐ Tank to be lined ☐ Tank Previously lined Reason for Lining: ☐ Upgrade ☐ Leak Repair

TANK #5:

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CAPACITY (GALLONS)

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TANK TYPE CODE

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APPROXIMATE AGE OF TANKS

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PRODUCT STORED

☐ Tank to be lined ☐ Tank Previously lined Reason for Lining: ☐ Upgrade ☐ Leak Repair

2. Lining Material Specifications -

a) Manufacturer of lining material: _____

b) Name of lining material: _____

Type of lining material: _____

c) Lining material compatible with any stored product? ☐ Yes ☐ No

Note: If no, please explain: _____

d) Thickness of coating to be applied to each tank (indicate mils):

TANK #1	TANK #2	TANK #3	TANK #4	TANK #5
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e) Each coating application compatible with alcohol based and reformulated fuels. ☐ Yes ☐ No

f) Each tank to be properly prepared per API 1631 and NLPA 631 Standards. ☐ Yes ☐ No

g) Each coating application to be completed per manufacturer's specification. ☐ Yes ☐ No

3. Notification Information -

a) Estimated date of tank preparation:

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b) Estimated date of tank evaluation:

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c) Estimated date of coating application:

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3. Notification Information (Continued) -

d) Estimated date of completion:

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Note: Precision test mandatory upon completion and results shall be made available for inspection upon request.

e) Manufacturer's sealant specification data will be submitted to the Office of the State Fire Marshal.

☐ Yes ☐ No

4. Tank Preparation Procedure -

a) Type of combustible gas indicator used for monitoring purposes: _____

Model of combustible gas indicator used for monitoring purposes: _____

b) Combustible gas indicator calibrated per manufacturer's specifications? ☐ Yes ☐ No

c) Tank ventilation provided by which type of air mover? _____

d) Purging, air ventilation, and testing will continue throughout the entire lining process to ensure the vapor concentration does not exceed ten percent (10%) of the LFL. ☐ Yes ☐ No

e) Personnel entering the tank will be equipped at all times with positive pressure air-supplied respirators with full face enclosure, safety harness connected to a safety line held by attendant outside the tank.

☐ Yes ☐ No

f) The interior surface of the tank must be examined by using a light fixture that meets the requirement of NFPA 70 (Class 1, Division 1, Group D). ☐ Yes ☐ No

g) Tank metal thickness determination shall be accomplished by which method?

☐ Destructive ☐ Non-destructive

h) A white metal blast will be completed on the shell surface preparatory to lining. ☐ Yes ☐ No

i) All perforations in the tank shall be plugged with boiler plugs or hydraulic cement prior to abrasive blasting. ☐ Yes ☐ No

j) Boiler plugs and hydraulic cement plugs will be covered with epoxy or polyester and then covered with fiberglass cloth (minimum 1½ ounces per square yard, silane treated) that overlaps all sides of the plug by a minimum of two inches (2"). ☐ Yes ☐ No

5. Application of Lining -

- a) A ¼ inch steel reinforcing plate rolled to the contour of the tank and with minimum dimensions of 8" by 8" will be installed under the fill (drop) tube and gauging tube.
☐ Yes ☐ No

5. Application of Lining (Continued) -

- b) The blast cleaned surface will be coated within eight (8) hours after blasting and before any visible rusting appears. ☐ Yes ☐ No
- c) Manufacturer's instructions will be followed on handling and mixing of resin compounds, and these compounds will be applied to the entire interior surface of the tanks by the manufacturer or his designated distributor. ☐ Yes ☐ No
- d) If a heater is used to accelerate the curing process, all other work that might release flammable vapors will be halted and the heating unit will be attended whenever it is in operation. ☐ Yes ☐ No
- e) The coating will be cured thoroughly to manufacturer's specifications and checked for air pockets and pin holes using a holiday detector. Any defects found will be repaired to manufacturer's specifications. ☐ Yes ☐ No
- f) The coating thickness will be checked with a thickness gauge and tested for hardness using a hardness tester to ensure compliance with the manufacturer's specifications. ☐ Yes ☐ No
- g) Manway assembly will consist of steel construction and be properly installed per manufacturer's instruction. ☐ Yes ☐ No
- h) Manway assembly is to be repaired per manufacturer's instructions. ☐ Yes ☐ No
- i) Manway assembly is to be provided with housing and cover accessible from grade level.
☐ Yes ☐ No

6. Tank Closing -

- a) A ¼ inch thick steel cover plate rolled to the contour of the tank will be made to overlap the hole by at least two inches (2") on each side. ☐ Yes ☐ No
- b) The cover plate will be sandblasted to white metal on both sides, and the entire inside surface will be coated with coating material to act as a gasket. ☐ Yes ☐ No
- c) Before the coating on the tank cures, the cover will be fastened to the tank by ½ inch bolts (minimum diameter) placed through the holes from inside the tank, held in place by spring clips and then fastened with locking washers and nuts. ☐ Yes ☐ No

If "no", please indicate if self-tapping bolts will be used to fasten the cover to the tank.

☐ Yes ☐ No

- d) After the cover has been bolted to the tank, the cover plate and surrounding tank surface will be properly sandblasted, coated with coating material, and allowed to cure before the tank excavation is

back-filled.

☐ Yes

☐ No

6. Tank Closing (Continued) -

- e) The cover plate seal will be tested for tightness prior to covering with backfill and paving by performing an air pressure test of the tank at five (5) psig and applying a soap solution to the cover and inspecting it for bubbles. This test is only allowed when the tank does not contain petroleum product liquid or vapors. ☐ Yes ☐ No
- f) Before the tank excavation is backfilled, the tank will be tightness-tested using a precision test in accordance with NFPA 329. Particular attention will be paid to the cover plate and all exposed fittings. ☐ Yes ☐ No

Fee Schedule

A charge of \$100.00 for the first tank and \$50.00 for each additional tank is required for this specialized review. **The required fee must accompany your application for permit.** Your check or money order should be made payable to the "*Kentucky State Treasurer*". The name and location of the project must be indicated on the check or money order.

I, the undersigned, do hereby agree that this installation shall comply with all applicable requirements of the "Standards of Safety" promulgated in 815 KAR 10:060 and all other applicable standards as required. All answers in this application are true and accurate to the best of my knowledge.

Contractor (Signature)

Date

Did you enclose your plan review fee? ☐ Yes ☐ No

Amount: \$ _____ .00

Note: Site plan, specifications and check or money order shall accompany this document for approval. Please return completed application to the address listed below:

**Office of Housing, Buildings and Construction
Hazardous Materials Section
101 Sea Hero Road Suite 100
Frankfort, Kentucky 40601-5405**

Approval by the State Fire Marshal

LOCATION NAME

IF THE NAME HAS CHANGED, WHAT WAS IT PREVIOUSLY CALLED

STREET ADDRESS

CITY

COUNTY

PERMIT NUMBER

This storage tank system was tested on _____ with satisfactory results.

Pursuant to KRS 227.300 and 815 KAR 10:060 the above listed installation is found to have substantially complied with the Kentucky “*Standards of Safety*”.

Hazardous Materials Field Inspector

Badge #

Date

Site Plan

Instructions for Completing the Internal Lining of Underground Tank Permit Application Forms

General Instructions

- These application forms are only for underground storage tank contractors certified through this office. Engineers or similar persons with knowledge of underground storage tank systems may fill them out, but the name and the signature of the certified contractor are required for approval. Upon approval, the permit is then issued to the certified contractor's company.
- Please answer only the questions that are applicable to the scope of the work to be done. The questions should be answered in a manner that indicates the intentions of the installer. A short letter covering the scope of work is always helpful.
- A site plan will be required to accompany the application form that shows the distance to property lines and nearest important buildings with respect to the tank(s). The site plan should also indicate any other hazards or tanks on the same property. The site plan does not need an engineer or architect's stamp.
- Specific questions regarding the content of the application can be addressed by contacting our office.

Cover Page

1. Please make sure that the facility's physical address (not P.O. Box or rural route) is indicated in the installation site information. This will help our inspector to find the facility.